

FRENCH PATENT APPLICATION

FOR:

Installation and method of venting the waste gases of
air distillation or liquefaction units

In the name of:

L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET
L'EXPLOITATION DES PROCEDES GEORGES CLAUDE

Invention of:

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ABSTRACT

To reduce the level of oxygen concentration in the waste gases emitted by the stack of such installations, according to the invention, connecting means (15) connect the respective internal spaces of a chamber (13), for discharging an inert gas miscible with oxygen and of lower density than air, such as nitrogen, and of the stack (2); thus, this inert gas is mixed with at least the oxygen flowing through the stack and the mixture obtained is discharged with a velocity at least equal to approximately 7 m/s at the exit of the stack.

Use: the making of air distillation or liquefaction units safe.

Figure 2